Claims

1. A method for producing a halftone image using a halftone screen, said method comprising overlapping at least a portion of a first dot of a halftone cell with at least a portion of a second dot of said halftone cell.

2. The method according to claim 1, further comprising differing pitches of said first and second dots.

3. The method according to claim 1, further comprising differing shapes of said first and second dots.

4. The method according to claim 3, further comprising selecting said shapes of said first and second dots from a group consisting of: elliptical, triangular, circular, rectangular, diamond and linear shapes.

5. The method according to claim 1, further comprising differing tonal characteristics of said first and second dots.

6. The method according to claim 1, further comprising differing pitches of said first and second dots.

7. The method according to claim 1, further comprising orienting an angle of said first dot differently than a second angle of said second dot relative to a first side of said halftone cell.

8. A method for producing a halftone image using a halftone screen, said method comprising placing a first and a second dot within a halftone cell, wherein said first and second halftone dots are dissimilar.

9. The method according to claim 8, further comprising differing pitches of said first and second dots.

10. The method according to claim 8, further comprising differing shapes of said first and second dots.

11. The method according to claim 10, further comprising selecting said shapes of said first and second dots from a group consisting of: elliptical, triangular, circular, rectangular, diamond and linear shapes.

12. The method according to claim 8, further comprising differing tonal characteristics of said first and second dots.

13. The method according to claim 8, further comprising orienting an angle of said first dot differently than a second angle of said second dot relative to a first side of said halftone cell.

14. An apparatus comprising a printing plate having a first and a second dot within a halftone cell of a halftone screen, wherein at least a portion of said first dot overlaps at least a portion of said second dot.

15. The apparatus according to claim 14, wherein each of said first and second dots have different shapes.

16. The apparatus according to claim 15, wherein said different shapes are selected from a group consisting of: elliptical, triangular, rectangular, circular, diamond and linear shapes.

17. The apparatus according to claim 14, wherein each of said first and second dots have different tonal characteristics.

18. The apparatus according to claim 14, wherein each of said first and second dots have different pitches.

19. The apparatus according to claim 14, wherein said first dot is oriented at a different angle than said second dot relative to a first side of said halftone cell.

20. An apparatus comprising a printing plate having a first and a second dot within a halftone cell of a halftone screen, wherein said first and second dots are dissimilar.

21. The apparatus according to claim 20, wherein each of said first and second dots has a different pitch.

22. The apparatus according to claim 20, wherein each of said first and second dots has a different shape.

23. The apparatus according to claim 21, wherein said different shape is selected from a group consisting of: elliptical, triangular, rectangular, circular, diamond and linear shapes.

24. The apparatus according to claim 20, wherein each of said first and second dots has a different tonal characteristic.

25. The apparatus according to claim 20, wherein said first dot is oriented at a different angle than said second dot relative to a first side of said halftone cell.

26. An apparatus comprising a halftone screen having a halftone cell derived from a threshold equation, wherein a fold function of said threshold equation generates at least one dot within said halftone cell.

27. A program product, comprising:

a program configured to place a first and a second dot within a halftone cell, wherein at least a portion of said first dot overlaps at least a portion of said second dot; and

a signal bearing medium bearing said program.

28. The program product of claim 27, wherein said signal bearing medium includes a recordable medium.

29. The program product of claim 27, wherein said signal bearing medium includes a transmission type medium.

30. A program product, comprising:

a program configured to place a first and a second dot within a halftone cell, wherein said first and second dots are dissimilar in at least one characteristic selected from a group consisting of: shape, pitch, tone and orientation; and

a signal bearing medium bearing said program.

31. The program product of claim 30, wherein said signal bearing medium includes a recordable medium.

32. The program product of claim 30, wherein said signal bearing medium includes a transmission type medium.